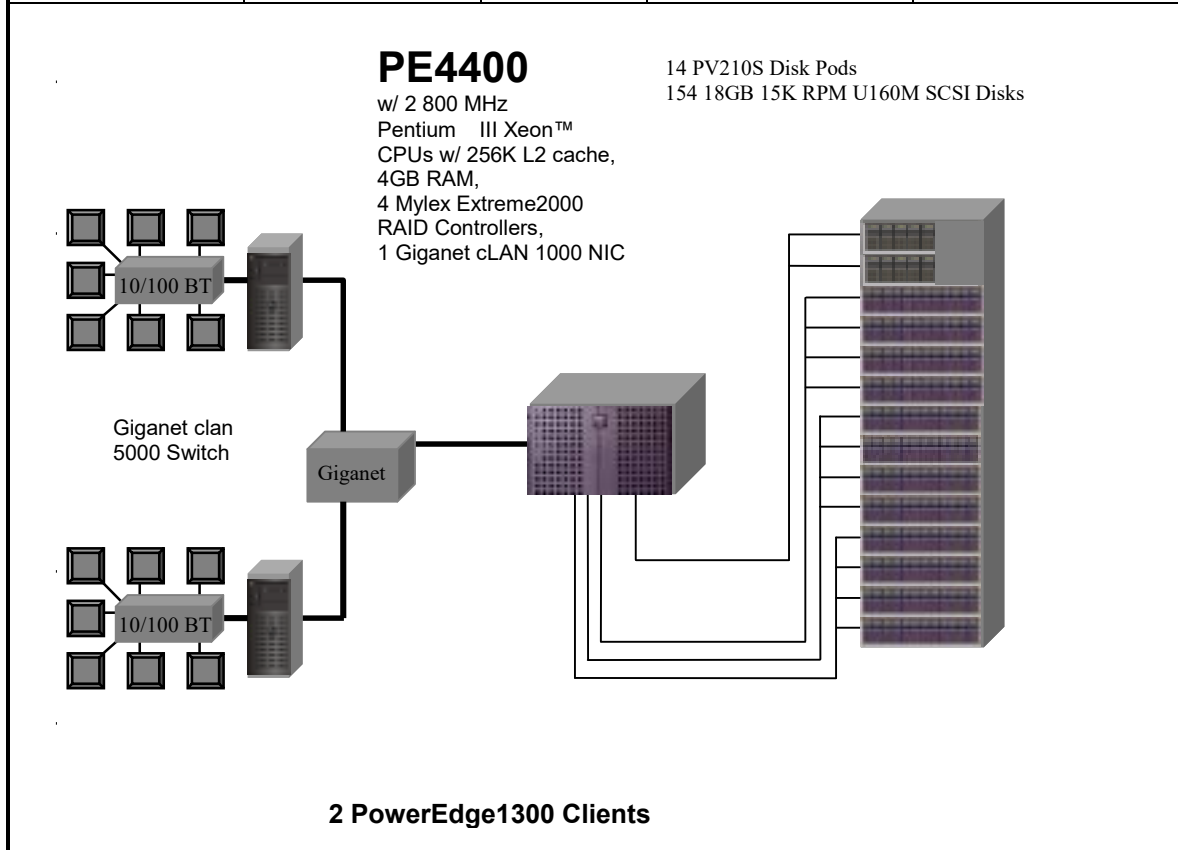


DELL	PowerEdge 4400 Client/Server w/2 PE1300 Front Ends		TPC-C Rev 3.5 Report Date DEC 1, 2000
	Total System Cost	TPC-C Throughput	Price/Performance
\$273,486.84	16,262.90 tpmC	\$16.82/ tpmC	DEC 1, 2000

Processors	Database Manager	OS	Other Software	Number of Users
2 x Pentium III Xeon™ Processors 800 MHz 256K L2 Cache	Microsoft SQL Server 2000 Enterprise Edition	Microsoft Windows 2000 Advanced Server	Windows 2000 Server w/ COM+ Internet Information Server 5.0 Microsoft Visual C++	12,950



2 PowerEdge1300 Clients

System Component	Server		Each Client	
Processors	2	Pentium III Xeon™ @ 800MHz	1	Pentium III w/ 512 KB L2
Cache		256K		2 clients @ 600MHz
Memory		4096 MB		512 MB
Disk Controllers	4	Mylex ExtremeRAID 2000	1	Adaptec On-Board
	2	Adaptec On-Board		
Disk Drives	154	18 GB SCSI (16.938GB useable)	1	9 GB
	1	9 GB SCSI (8.470GB useable)		
Total Storage		2,616.85GB		9 GB
Other	1	Gigaset cLAN 1000 NIC	1	
	1	CD-ROM	1	
	1	Internal DAT	1	

Dell Computer Corporation		PowerEdge 4400 Client/Server			TPC-C REV 3.5 EXECUTIVE SUMMARY PAGE 2 OF 2 Report Date: dd-mmm-00		
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
Server Hardware							
		Brand	Pricing				
Dell PowerEdge 4400 Server / Pentium 800 Mhz,256Kb L2	220-0029		1	1,983	1	1,983	
Additional Pentium III Xeon 800 / 256KB L2	311-0748		1	899	1	899	
Non-Redundant Pwr Supply	310-3562		1	295	1	295	
4GB RAM, 8 x 512MB DIMMS	311-4116		1	7,861	1	7,861	
9 GB Ultra-2 LVD SCSI 10K RPM Disk	340-6647		1	289	1	289	
cLAN 1000 NIC, PCI 32/64-bit	430-0302	Giganet	1	695	1	695	
cLAN Giganet 10m Cable	310-0499	Giganet	1	150	1	150	
6 Bay HD Backplane	311-0485		1	249	1	249	
DDS4 Internal TBU	340-7418		1	799	1	799	
Dell M570 15" Monitor	320-1502		1	199	1	199	
ExtremeRAID 2000 ***	E2000-4-32NB	Mylex	3	1,872	6	11,232	
Back-UPS 650***	1332	APC	1	200	16	3,200	
Subtotal					27,851	3,089	
PowerVault Disk Subsystem							
PV210S,ESEM,PS,Rack mount	220-4099 etc		1	2,299	14	32,186	
SCSI Cables	310-0313		1	49	14	686	
18 GB U160M SMRT SCSI 15K RPM Hard Drive *	340-2769		1	739	154	113,806	
42U Rack	220-0605		1	1,682	1	1,682	
Subtotal					148,360	21,196	
Server Software							
Windows 2000 Advanced Server, 25 Client Licenses		Microsoft	2	2,399	1	2,399	
SQL Server 2000 Version 8, Ent. Ed., Per Processor Licensing		Microsoft	2	17,279	2	34,558	
Subtotal					36,957	10,475	
Client Hardware							
Dell PowerEdge 1300, 600 MHz Pentium III w/ 512KB L2	220-8799		1	804	2	1,608	
512MB RAM, 2 DIMMs	311-0440		1	920	2	1,840	
9GB LVD SCSI Disk Drive,	340-1466		1	214	2	428	
Ether Express PRO 100+ ENET Adapter	430-0111	Intel	1	59	2	118	
cLAN 1000 NIC, PCI 32/64-bit	430-0302	Giganet	1	695	2	1,390	
cLAN Giganet 2m Cable	310-0497	Giganet	1	99	2	198	
Dell M570 15" Monitor	320-1502		1	199	2	398	
Subtotal					5,980	2,670	
Client Software							
Windows 2000 Server w/ 25 CAL **		Microsoft	2	738	2	1,476	
Visual C++ Professional 6.0 Win32 **		Microsoft	2	549	1	549	
Subtotal					2,025	0	
User Connectivity							
cLAN Giganet Switch	220-4191	Giganet	1	4,350	1	4,350	
8 Port Ethernet Switch ***	CT2208D3	ArkPC	4	49	6	294	
8+1 Port 10BaseT Ethernet Hub ***		MicroBarn	5	15	1796	26,940	
Subtotal					31,584	0	
Other Discounts					(16,700)	0.00	
Total					236,057	37,430.00	
Notes: * Maintenance included in PowerVault 210S disk pod					Five-Year Cost of Ownership: 273,486.84		
** All Microsoft maintenance is covered by the maintenance costs of Microsoft SQL Server					tpmC Rating: 16,262.90		
*** 10% or minimum 2 spares are added in place of onsite service (products have a five year return-to-vendor warranty) Pricing: 1 - Dell 2 - Microsoft 3 - Mylex 4 - ArkPC 5 - MicroBarn					\$ / tpmC: 16.82		
Audited by Tom Sawyer, Performance Metrics Inc.							
<i>Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these items, please inform the TPC at pricing@tpc.org.</i>							

MQTh , computed Maximum Qualified Throughput					16,262.90
					tpmC
% throughput difference, reported & reproducibility runs					0.47%
Response Times (in seconds)		Average	90th	Max	
- Neworder		0.32	.52	5.35	
- Payment		.25	.44	3.00	
- Order Status		.28	.47	5.50	
- Delivery (interactive portion)		.10	.11	.34	
- Delivery (deferred portion)		.27	.44	1.09	
- Stock-Level		.99	1.47	3.40	
- Menu		.10	.11	.36	
Response time delay added for emulated components					Menu 0.1 Resp 0.1
Transaction Mix , in percent of total transactions					
- New-Order					44.92%
- Payment					43.01 %
- Order-Status					4.02 %
- Delivery					4.01 %
- Stock-Level					4.04 %
Keying/Think Times (in seconds),		Min	Average	Max	
- New-Order	18.02	0.0	18.03 12.03	18.04	120.41
- Payment	3.02	0.0	3.03 12.04	3.04	120.41
- Order-Status	2.02	0.0	2.03 10.08	2.04	98.58
- Delivery	2.012	0.0	2.03 5.04	2.04	50.41
- Stock-Level	2.012	0.0	2.03 5.05	2.04	50.40
Test Duration					
- Ramp-up time					20 minutes
- Measurement interval					20 minutes
- Number of checkpoints					1
- Checkpoint interval					20 minutes
- Number of transactions (all types) completed in measurement interval					753,093